**Day5 : Task 1**

**Create a C# console application that prompts the user for an integer and a double, then demonstrates both implicit and explicit conversion. Display the results of conversion and any loss of data if it occurs.**

using System;

namespace Task\_1

{

class Program

{

static void Main(string[] args)

{

Console.Write("Enter an integer: ");

string integerInput = Console.ReadLine();

if (int.TryParse(integerInput, out int intValue))

{

double doubleValueImplicit = intValue;

int intValueExplicit = (int)doubleValueImplicit;

Console.WriteLine($"Implicit conversion from int to double: {doubleValueImplicit}");

Console.WriteLine($"Explicit conversion from double to int: {intValueExplicit}");

if (intValue != intValueExplicit)

{

Console.WriteLine("Loss of data occurred during explicit conversion.");

}

else

{

Console.WriteLine("No loss of data occurred during explicit conversion.");

}

}

else

{

Console.WriteLine("Invalid input. Please enter a valid integer.");

}

Console.ReadLine(); // Keep the console window open

}

}

}